

5261675



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

POSITIVE RECALL

EFFECTIVE _____ AUTH _____

RELEASED _____ DATE _____

N/A

LIMITED RELEASE

D5805-5**Job Sheet 207482****Part No:** D5805-5**Job Qty:** 8 pcs**Part Name:** Cap**Part Weight:** 0 lbs**Status:** New**Priority:** Medium**Job Created:** 2/26/20**Job Tracking No:****Created By:** Jennifer RenwickM Lee
MARCH 5/20**Due Date:** 3/27/20**Description:****Note:** URF 20-522 DWG D5805 REV.A IPP REV:A NEW ISSUE 20.01.15 JV VERF:DD**Ship Via:****Bill of Materials****Job Routing**

| Op No | Operation | Qty | Start Date | Due Date | Standard | | Workcenter/Supplier | | Sign-off |
|-------|---------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|-------------|
| | | | | | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time | |
| 100 | Waterjet - Flow - 1 | 8 pcs | 3/27/20 | 3/27/20 | 0.17 | 0.40 | Waterjet - Flow | | DC 20/03/09 |
| 110 | QC 2 | 8 pcs | 3/27/20 | 3/27/20 | 0.00 | 0.00 | QC 2 - 1 | | |
| | | | | | | | QC 2 - 12 | | |
| | | | | | | | QC 2 - 14 | | |
| | | | | | | | QC 2 - 17 | | |
| | | | | | | | QC 2 - 19 | | |
| | | | | | | | QC 2 - 2 | | |
| | | | | | | | QC 2 - 20 | | |
| | | | | | | | QC 2 - 22 | | |
| | | | | | | | QC 2 - 23 | | |
| | | | | | | | QC 2 - 25 | | |
| | | | | | | | QC 2 - 32 | | |
| | | | | | | | QC 2 - 33 | | |
| | | | | | | | QC 2 - 35 | | |
| | | | | | | | QC 2 - 39 | | |
| | | | | | | | QC 2 - 4 | | |
| | | | | | | | QC 2 - 40 | | |
| | | | | | | | QC 2 - 44 | | |
| | | | | | | | QC 2 - 45 | | |
| | | | | | | | QC 2 - 48 | | DC 20/03/09 |
| | | | | | | | QC 2 - 49 | | |
| | | | | | | | QC 2 - 50 | | |
| | | | | | | | QC 2 - 51 | | |
| | | | | | | | QC 2 - 52 | | |
| | | | | | | | QC 2 - 57 | | |
| | | | | | | | QC 2 - 62 | | |
| | | | | | | | QC 2 - 63 | | |
| | | | | | | | QC 2 - 8 | | |
| | | | | | | | QC 2 - 66 | | |
| | | | | | | | QC 2 - 64 | | |
| | | | | | | | QC 2 - 65 | | |

Plex 3/5/20 8:30 AM Dart.Renwick.Jennifer

| | | | | | |
|-----|-----------------------------|-------|---------|-----------|------------------------|
| | | | | QC 2 - 5 | |
| | | | | QC 2 - 71 | |
| | | | | QC 2 - 73 | |
| | | | | QC 2 - 69 | |
| | | | | QC 2 - 76 | |
| 120 | QC 8 | 8 pcs | 3/27/20 | 0.00 0.00 | QC 8 - 12 |
| | | | | | QC 8 - 14 |
| | | | | | QC 8 - 17 |
| | | | | | QC 8 - 20 |
| | | | | | QC 8 - 25 |
| | | | | | QC 8 - 3 |
| | | | | | QC 8 - 32 |
| | | | | | QC 8 - 33 |
| | | | | | QC 8 - 35 |
| | | | | | QC 8 - 39 |
| | | | | | QC 8 - 4 |
| | | | | | QC 8 - 44 |
| | | | | | QC 8 - 45 |
| | | | | | QC 8 - 49 |
| | | | | | QC 8 - 58 |
| | | | | | QC 8 - 8 |
| | | | | | QC 8 - 9 |
| | | | | | QC 8 - 68 |
| | | | | | QC 8 - 67 |
| | | | | | QC 8 - 1 (A) |
| | | | | | QC 8 - 47 |
| | | | | | QC 8 - 40 |
| | | | | | QC 8 - 52 |
| | | | | | QC 8 - 23 |
| | | | | | QC 8 - 57 |
| | | | | | QC 8 - 76 |
| | | | | | QC 8 - 61 |
| 130 | Packaging 3-1 - Stock - B4B | 8 pcs | 3/27/20 | 0.00 0.00 | Packaging 3 - 1 - B4B |
| | | | | | Packaging 3 - 2 - B4B |
| | | | | | Packaging 3 - 3 - B4B |
| | | | | | Packaging 3 - 4 - B4B |
| | | | | | Packaging 3 - 5 - B4B |
| | | | | | Packaging 3 - 6 - B4B |
| | | | | | Packaging 3 - 7 - B4B |
| | | | | | Packaging 3 - 8 - B4B |
| | | | | | Packaging 3 - 9 - B4B |
| | | | | | Packaging 3 - 10 - B4B |
| | | | | | Packaging 3 - 11 - B4B |
| | | | | | Packaging 3 - 12 - B4B |
| | | | | | Packaging 3 - 13 - B4B |
| | | | | | Packaging 3 - 14 - B4B |
| | | | | | Packaging 3 - 15 - B4B |
| | | | | | Packaging 3 - 16 - B4B |
| | | | | | Packaging 3 - 17 - B4B |
| | | | | | Packaging 3 - 18 - B4B |
| | | | | | Packaging 3 - 19 - B4B |
| | | | | | Packaging 3 - 20 - B4B |
| | | | | | Packaging 3 - 21 - B4B |
| | | | | | Packaging 3 - 22 - B4B |
| | | | | | Packaging 3 - 23 - B4B |
| | | | | | Packaging 3 - 24 - B4B |
| | | | | | Packaging 3 - 25 - B4B |
| | | | | | Packaging 3 - 26 - B4B |
| | | | | | Packaging 3 - 27 - B4B |

DAS

MAR 10 2020

9-80

1092

Flex 3/5/20 2:30 AM Dart, Renwick, Jennifer

| | | | | | |
|----------------|-------|---------|-----------|------------------------|------|
| | | | | Packaging 3 - 28 - B4B | |
| | | | | Packaging 3 - 29 - B4B | |
| | | | | Packaging 3 - 30 - B4B | |
| | | | | Packaging 3 - 31 - B4B | |
| | | | | Packaging 3 - 32 - B4B | |
| | | | | Packaging 3 - 33 - B4B | |
| | | | | Packaging 3 - 34 - B4B | |
| | | | | Packaging 3 - 35 - B4B | |
| | | | | Packaging 3 - 36 - B4B | |
| | | | | Packaging 3 - 37 - B4B | |
| 140 QC 21 - SA | 8 pcs | 3/27/20 | 0.00 0.00 | QC 21 - SA - 21 | 3.45 |
| | | | | QC 21 - SA - 70 | 2.1 |
| | | | | QC 21 - SA - 53 | 3.25 |

Part Op **100** - 1-Cut as per DWG D5805-5. DWG. Rev: A PROG. Rev: A 2-Debur if necessary

Descriptions: **110** - QC2- Inspect parts off machine FAI/FAIB

120 - QC8- Inspect parts - second check

130 - Identify as per dwg & Stock Location: _____

140 - QC21- Final Inspection - Work Order Release

MAR 10 2020

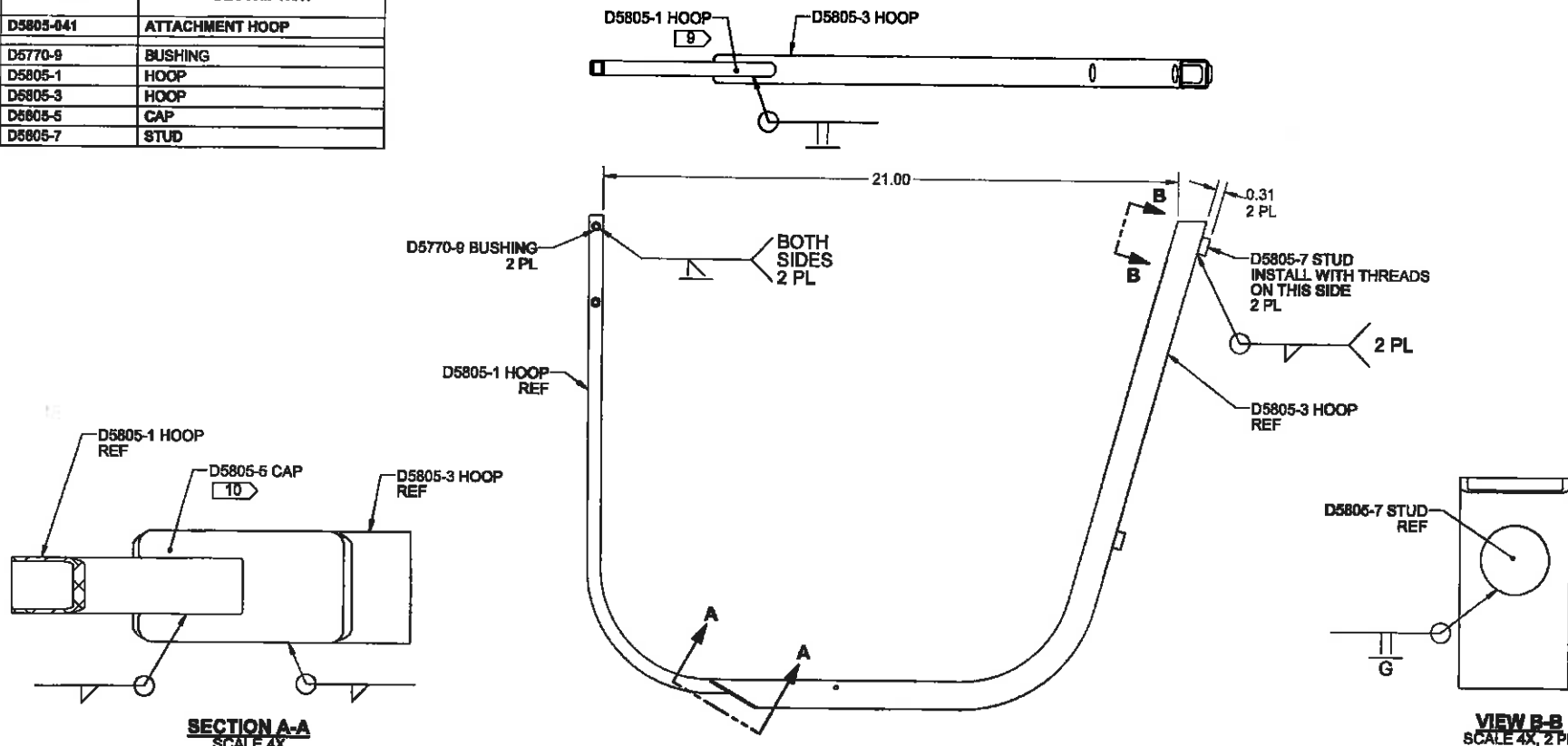
| Job BOM | | | | |
|-------------|----------------------|---------------------|-------------------------|------------|
| Part / Item | Component Name | Quantity | Operation | Container |
| M1010S18GA | 1010/1025 Sheet .048 | .1208 sf (.0151 ea) | 100-Waterjet - Flow - 1 | FM137541-1 |

| Job Allocations | | | | |
|-------------------------|----------------|----------|-----------|-----------|
| Operation | Component Part | Required | Inventory | Allocated |
| 100-Waterjet - Flow - 1 | M1010S18GA | 0 | 85 | 0 |

| Part Specifications | |
|------------------------------------|--|
| Specifications could not be found. | |

Plex 3/5/20 8:30 AM Dart.Renwick.Jennifer

| QTY -041 | P/N | DESCRIPTION |
|-------------|-----------|-----------------|
| X | D5805-041 | ATTACHMENT HOOP |
| 2 | D5770-8 | BUSHING |
| 1 | D5805-1 | HOOP |
| 1 | D5805-3 | HOOP |
| 1 | D5805-5 | CAP |
| 2 | D5805-7 | STUD |



D5805-041 ATTACHMENT HOOP
(DERIVED FROM AERO DESIGN P/N 78423-01)

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 207402

RELEASED
2020 FEB 18 *ND*
ECN 2020 - 521

UNDER REVIEW
URF 2020- 522 20.02.14 (NO)

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010
 - 6) IDENTIFICATION: IDENTIFY PER DART QSI 044
 - 7) WEIGHT: 2.42 lbs
 - 8) WELD PER DART QSI 004. GRIND WELDS FLUSH IF REQUIRED.
 - 9) GRIND END OF D5805-1 HOOP TO FIT SLOT OF D5805-3 HOOP
 - 10) GRIND SLOT OF D5805-5 CAP TO FIT D5805-1 HOOP

| A NEW ISSUE | | ZF | 20.01.13 |
|-------------|-------------|----|----------|
| REV. | DESCRIPTION | BY | DATE |
| DESIGN | ZF | | |
| DRAWN | ZF | | |
| CHECKED | KPT | | |
| MFG. APPR. | DD | | |
| APPROVED | NO | | |
| DE APPR. | CP | | |
| DATE | 20.01.13 | | |

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

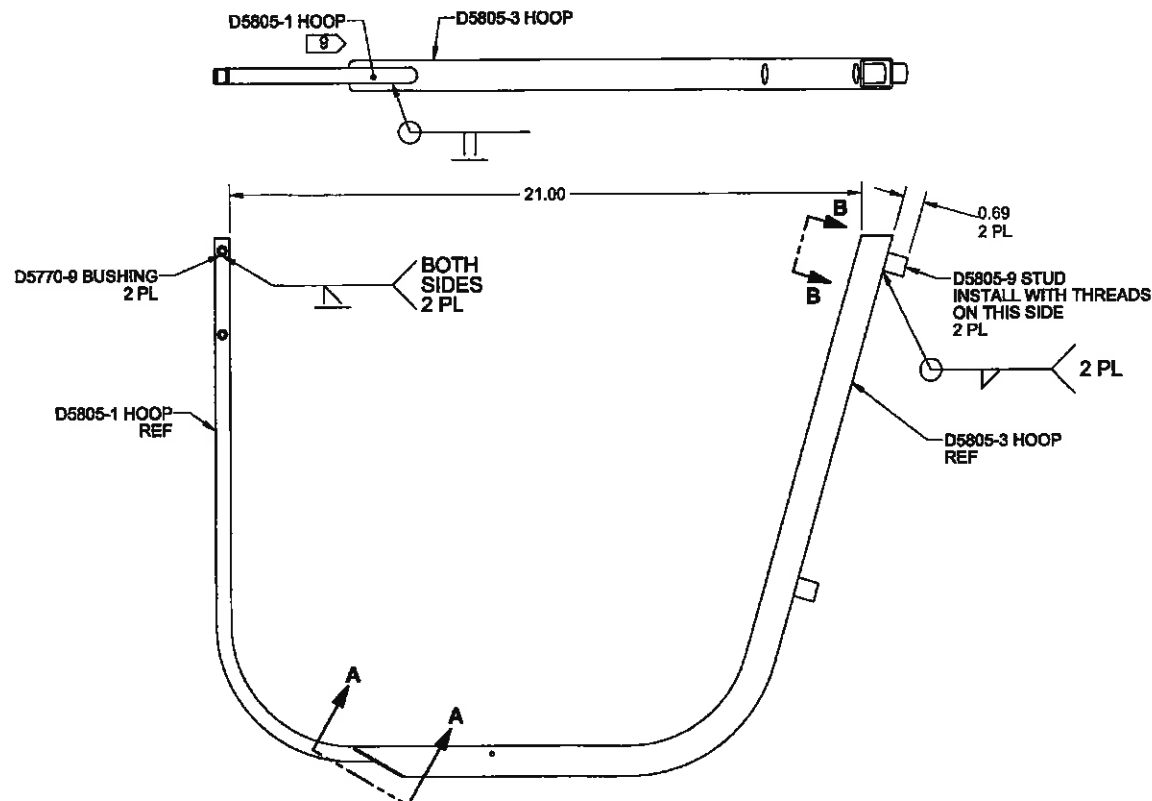
DRAWING NO.
D5805

TITLE
ATTACHMENT HOOP

REV. A
SHEET 1 OF 6
SCALE
NTS

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| QTY -043 | P/N | DESCRIPTION |
|-------------|-----------|-----------------|
| X | D5805-043 | ATTACHMENT HOOP |
| 2 | D5770-9 | BUSHING |
| 1 | D5805-1 | HOOP |
| 1 | D5805-3 | HOOP |
| 1 | D5805-5 | CAP |
| 2 | D5805-9 | STUD |



D5805-043 ATTACHMENT HOOP
(DERIVED FROM AERO DESIGN P/N 78423-07)

UNDER REVIEW
URF 2020-522 20.02.14 (NO)

NOTES:

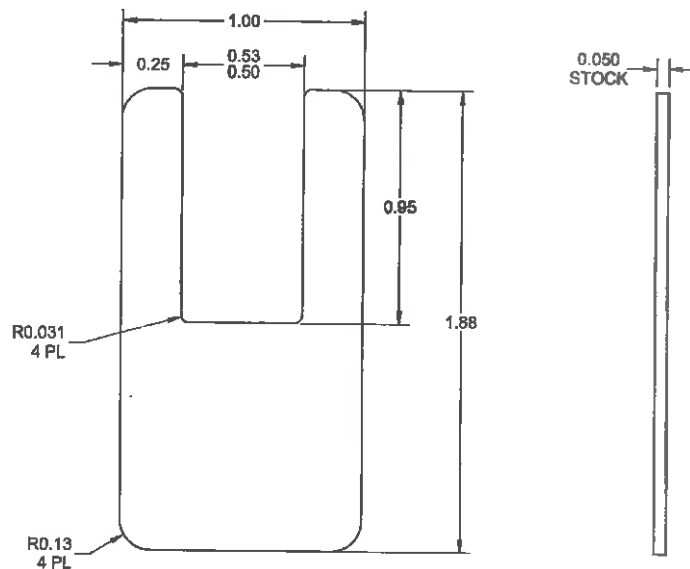
- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: IDENTIFY PER DART QSI 044
- 7) WEIGHT: 2.49 lbs
- 8) WELD PER DART QSI 004. GRIND WELDS FLUSH IF REQUIRED.
- 9) GRIND END OF D5805-1 HOOP TO FIT SLOT OF D5805-3 HOOP
- 10) GRIND SLOT OF D5805-5 CAP TO FIT D5805-1 HOOP

RELEASED
2020 FEB 18 *ND*

APPROVED

DESIGN ZF
DRAWN ZF
CHECKED KPT
MFG. APPR. DD
APPROVED NO
DE APPR. CP
DATE 20.01.13

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO. D5805
TITLE ATTACHMENT HOOP
REV. A
SHEET 2 OF 6
SCALE NTS
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D5805-5 CAP
(DERIVED FROM AERO DESIGN P/N 78423-04)

UNDER REVIEW
URF 2020-522 20.02.14 (NO)

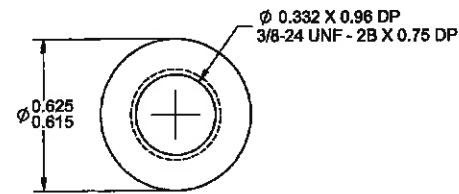
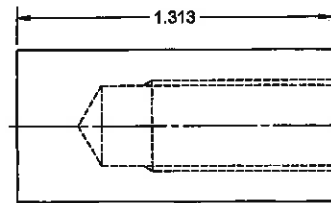
NOTES:

- 1) MATERIAL: AISI 1010/1025 STEEL SHEET, COLD ROLLED, #18 GA (0.050 THICK)
PER ASTM A36/A366/A1008 OR CSA G40-21 38W/44W/50W/60W/70W
REF DART SPEC M1010-S18GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.02 lbs

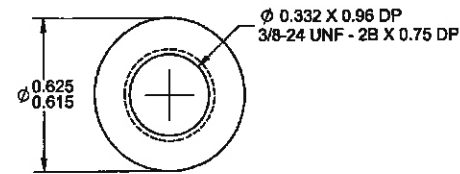
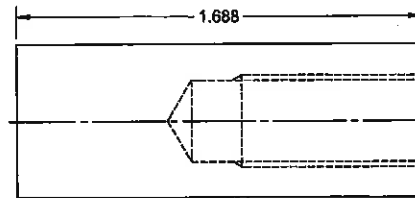
RELEASED
2020 FEB 18 *ND*

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| | | | |
|------------|----------|---|--------------|
| DESIGN | ZF | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D5805 TITLE ATTACHMENT HOOP SCALE NTS | REV. A |
| DRAWN | ZF | | SHEET 5 OF 6 |
| CHECKED | KPT | | |
| MFG. APPR. | DD | | |
| APPROVED | NO | | |
| DE APPR. | CP | | |
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D5805-7 STUD
(DERIVED FROM AERO DESIGN P/N 76423-05)



D5805-9 STUD
(DERIVED FROM AERO DESIGN P/N 76423-06)

UNDER REVIEW
URF 2020-522 20.02.14 (NO)

NOTES:

- 1) MATERIAL: AISI 1018/1025 STEEL ROUND BAR
PER MIL-S-7087 OR ASTM A108
REF DART SPEC M1018-R
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: -7: 0.08 lbs
-9: 0.12 lbs

RELEASED
2020 FEB 18 NO

APPROVED

| | | | |
|------------|----------|---|--------------|
| DESIGN | ZF | DART AEROSPACE LTD | |
| DRAWN | ZF | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | KPT | DRAWING NO. | REV. A |
| MFG. APPR. | DD | D5805 | SHEET 8 OF 8 |
| APPROVED | NO | TITLE | SCALE |
| DE APPR. | CP | ATTACHMENT HOOP | NTS |
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8 7 6 5 4 3 2 1

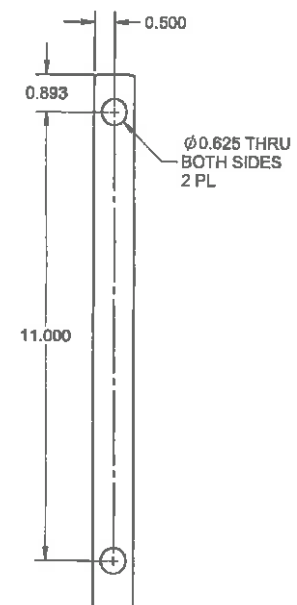
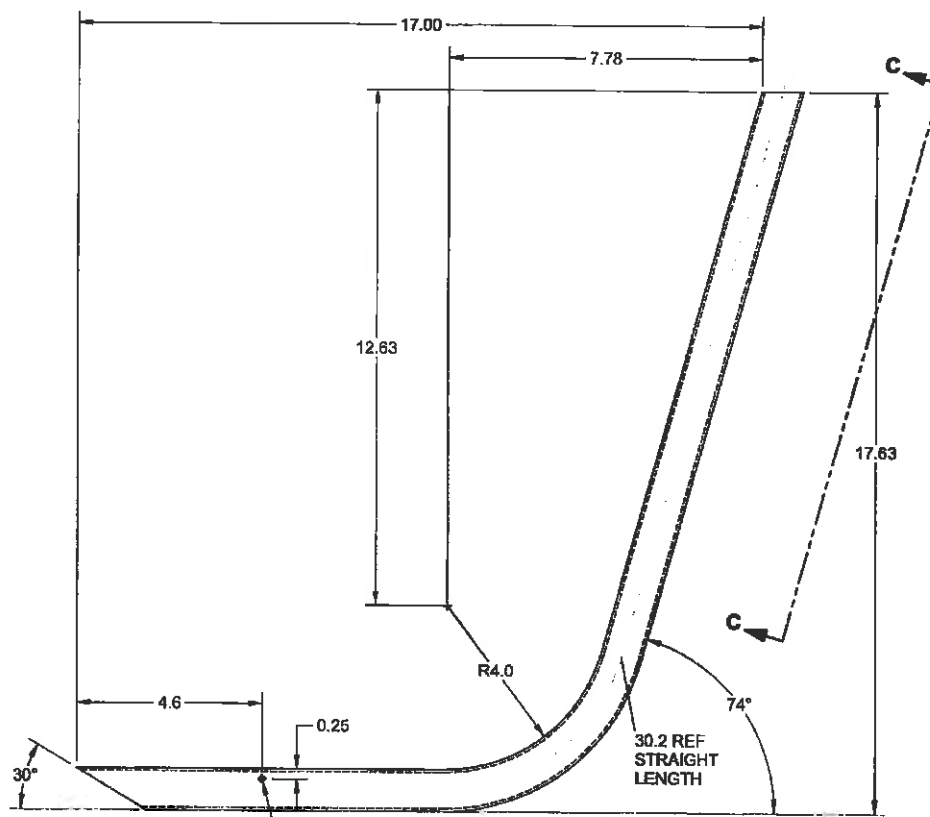
D

C

B

A

8 7 6 5 4 3 2 1



VIEW C-C

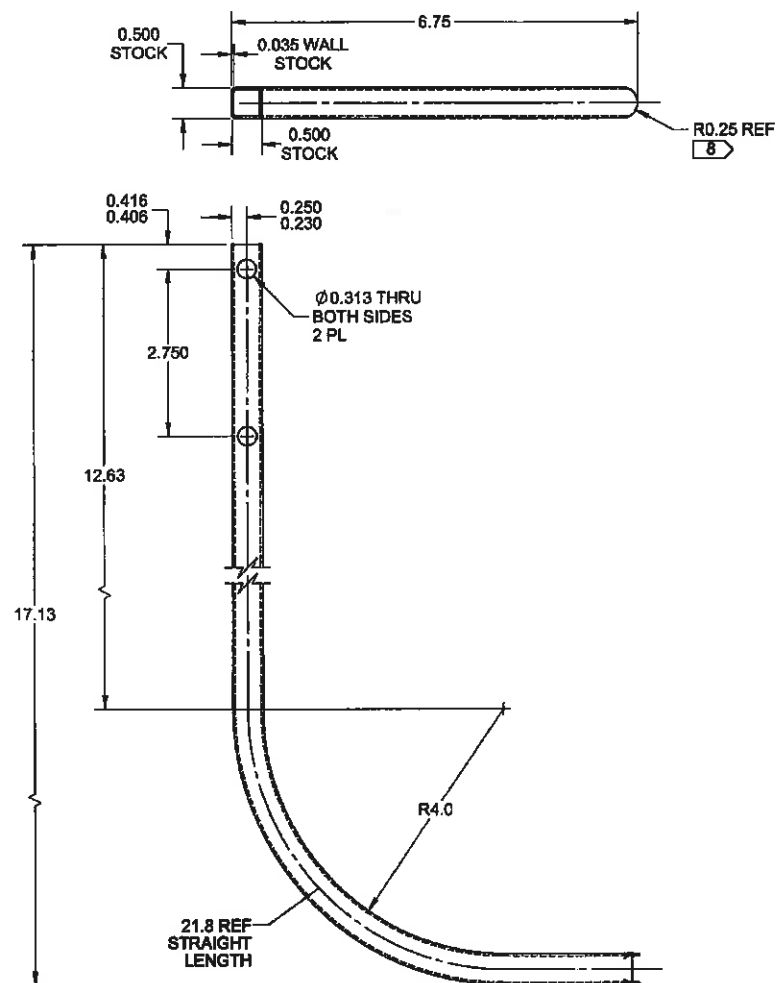
D5805-3 HOOP

UNDER REVIEW
URF 2020-522 20.02.14 (NO)

RELEASED
2020 FEB 18 NO

- NOTES:
- 1) MATERIAL: AISI 4130N STEEL SQUARE TUBING, 1 X 0.065 WALL PER MIL-T-6738 OR AMS 6371/6360/6361/6362/6373/6374 REF DART SPEC M4130N-TS1.000W.065
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010
 - 6) IDENTIFICATION: NONE
 - 7) WEIGHT: 1.84 lbs
 - 8) GRIND SLOT TO FIT D5805-1 HOOP AT ASSEMBLY.

| | | | | | | |
|---|------------|----------|--|--|--------------|--|
| APPROVED | DESIGN | ZF | DART AEROSPACE LTD | | REV. A | |
| | DRAWN | ZF | HAWKESBURY, ONTARIO, CANADA | | | |
| | CHECKED | KPT | DRAWING NO. | | SHEET 4 OF 6 | |
| | MFG. APPR. | DD | D5805 | | SCALE | |
| | APPROVED | NO | TITLE | | NTS | |
| | DE APPR. | CP | ATTACHMENT HOOP | | | |
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D5805-1 HOOP

NOTES:

- 1) MATERIAL: AISI 4130N STEEL SQUARE TUBING, 1/2 X 0.035 WALL
PER MIL-T-6738 OR AMS 6371/6360/6361/6362/6373/6374
REF DART SPEC M4130N-TS0.500W.035
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART Q81 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.37 lbs
- 8) GRIND END TO FIT SLOT OF D5805-3 HOOP AT ASSEMBLY

RELEASED
2020 FEB 18 MD

APPROVED

| | | | |
|------------|----------|--|--------------|
| DESIGN | ZF | DART AEROSPACE LTD | |
| DRAWN | ZF | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | KPT | DRAWING NO. | REV. A |
| MFG. APPR. | DD | D5805 | SHEET 3 OF 6 |
| APPROVED | NO | TITLE | SCALE |
| DE APPR. | CP | ATTACHMENT HOOP | NTS |
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UNDER REVIEW
URF 2020-522 20.02.14 (NO)



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO35495

Purchase Order Date 3/6/2017

PO Print Date 3/6/2017

Page Number 1 of 5

Order From :

VC-CAM002

Ship To : DART AEROSPACE LTD

ACIFR QUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

MAR 08 2017

Contact Name

Vendor Phone 800 667 4248

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Ship To Contact

Terms

Net 30

Ship To Phone

Currency

CAD

Ship Via:

Yours ppd.

FOB

FCA - (Free Carrier)

Ship Acct:

| Line Nbr | Reference Vendor Part Number | Description/ Mfg ID | Req Date/ Taxable | CD | Req Qty/ Unit of Measure | PO Unit Price | Extended Price |
|---|------------------------------|----------------------|-------------------------------|----|--------------------------|---------------|----------------|
| | Line Comments | | Promise Date | | | | |
| | Delivery Comments | | | | | | |
| 1 | M1010S18GA | 1010/1025 SHEET .048 | 3/10/2017 Yes 3/10/2017 | | 32.00 sf | \$1.50 | \$48.00 |
| MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W MINIMUM YIELD TENSILE STRENGTH - 28KSI MINIMUM ULTIMATE TENSILE STRENGTH - 42 KSI COLD ROLLED | | | | | | | |

Line Total: \$48.00

| | | | | | | | |
|---|--------------|--------------------|-------------------------------|--|-------------|--------|----------|
| 2 | M2024T3S.040 | 2024-T3 .040 sheet | 3/10/2017 Yes 3/10/2017 | | 48.00 sf | \$5.35 | \$256.98 |
|---|--------------|--------------------|-------------------------------|--|-------------|--------|----------|

MATERIAL: 2024-T3 ALUMINUM SHEET
AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037
OR ASTM B209

Line Total: \$256.98

PO Instructions: quotation no: sou0018309
quotation no: sou0019437

Note:

3/6/2017

SP 17-03-10



“首钢”牌产品质量证明书
QUALITY CERTIFICATE OF “SHOUGANG” BRAND

营销中心地址: 中国北京市石景山区
 ADD. OF SALESING GROUP: SHIJIANGAN DISTRICT, BEIJING, CHINA
 邮政编码 POST CODE: 100041
 电话 TEL.: (+8610) 68221600
 商务网站 E-MAIL: SGSGMAIL.SGSGANG.COM.CN
 制造厂地址: 中国河北省唐山市曹妃甸工业区 063200
 ADD. OF MANUFACTURER: CAOFIDIAN INDUSTRY PARK, TANGSHAN,
 HEBEI, P.R. CHINA 063200

製造廠：中國鐵道：中國太鋼集團股份有限公司
MANUFACTURER: SHOUKANG GROUP, SHOUKANG, XIANGTANG UNITED IRON & STEEL CO. LTD

| | | | | | | | | | | | | | | | | | |
|---------------------|--|------------------------|--|--|--|-----------------------------|--|--|--|------------------------------|--|--|--|-------------------------|--|-------------|--|
| 订单号 CUST. ORDER | | 中国船舶重工集团公司 | | | | 合同号 CONTRACT NO. | | | | 9800380750-480000R-001528230 | | | | 许可证号 LICENSE NO. | | | |
| 买方名称 PURCHASER | | 中外运(舟山)代理有限公司 | | | | 交货状态 CONDITION OF SUPPLY | | | | 交货卷 | | | | 证书编号 CERTIFICATE NO. | | Z1403203700 | |
| 产品名称 PRODUCT | | 冷成型 Cold Rolled Strip | | | | 交货日期 DATE OF DELIVERY | | | | 2010-05-27 12:05:40 | | | | 卷号 RECORD NO. | | SQ-001-01-A | |
| 标准 SPECIFICATION | | ASTM A1083/A1083M-2007 | | | | 牌号 STEEL GRADE | | | | CS Type B | | | | 页号 PAGE NO. | | 共1页, 第1页 | |

| 图号 COT. NO. | 炉号 HEAT NO. | 规格 SIZE | 尺寸 SIZE (MM) | | 件数 PCS. | 重量 WT. TON | 化学成分: CHEMICAL COMPOSITION% | | | | | | | | | | | | 机械性能: MECHANICAL PROPERTIES | | | | | | | | | | |
|----------------|----------------|------------|-----------------|-------------|------------|---------------|--|----|----|----|---|----|----|----|----|---------------------|---------------------|-----------------|-----------------------------|----|--|---------------------|---------------|-------------|--|--|--|--|--|
| | | | 长度 TYPE | 宽度 WIDTH | | | C | SI | Mn | P | S | AL | TI | AS | TS | 屈服强度 Y.S. MPa | 抗拉强度 T.S. MPa | 伸长率 EL. % | 90 | 90 | 冲击 J | 硬度 HARD- NESS | 疲劳 FATIGUE | 其他 OTHER | | | | | |
| WQ2204430020 | 162A00093 | PS | 1.12 | 1219 | 1 | 12.123 | 300 | 1 | 20 | 10 | 0 | 40 | 12 | 10 | 20 | 203 | | 41.0 | | | | | | | | | | | |
| WQ2204430010 | 162A00095 | PS | 1.12 | 1219 | 1 | 12.300 | 300 | 1 | 20 | 10 | 0 | 40 | 12 | 10 | 20 | 203 | | 41.0 | | | | | | | | | | | |
| 合计 | | Micro | Balance | Empty | | | | | | | | | | | | | | | | | | | | | | | | | |
| 总计 TOTAL | | | | | | 2 | 24.423 | | | | | | | | | | | | | | | | | | | | | | |
| 备注 REMARKS | | | 2#炉内无-20℃1955 | | | | 1. 本产品已按上述要求进行了检验和测试, 其结果符合本证书的要求。WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN INSPECTED AND TESTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE MATERIAL SPECIFICATION. 2. 本证书仅适用于本证书中指定的产品。THIS CERTIFICATE IS VALID ONLY FOR THE BLANK ITEM(S) SPECIFIED HEREIN. IT BE REGARDED AS DELIVERY DOCUMENT. 3. 本证书无效。THE QUALITY CERTIFICATE WILL COME INTO FORCE WITH A VALID STAMP. 日期 Date: 2010-05-27 | | | | | | | | | | | | 检验 CHECK | | 负责检验和测试 Persons in Charge of Quality Inspection | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 检验 | | 检验人 检验人 | | | | | | | | |

C 650 306
C 650 315

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 162AC3655
DATE: 17/03/16

PO / BATCH NO.: 162AC3655 / 132041

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED: 32
QUANTITY INSPECTED: 32
QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.048
THICKNESS RECEIVED: 1.046
SHEET SIZE ORDERED: 1250
SHEET SIZE RECEIVED: 928

| DESCRIPTION | NCR (Check Y/N) | COMMENTS |
|--|-----------------------|-----------|
| SURFACE DAMAGE | Y N | |
| CORRECT FINISH | Y N | |
| CORROSION | Y N | |
| CORRECT GRAIN DIRECTION | Y N | |
| CORRECT MATERIAL | Y N | OK 1010 |
| CORRECT THICKNESS | Y N | 1.046 |
| PHOTO REQUIRED | Y N | |
| CORRECT MATERIAL | Y N | 162AC3655 |
| CORRECT REF # TO LINK CERT | Y N | 162AC3655 |
| CORRECT MATERIAL IDENTIFICATION | Y N | 162AC3655 |
| CORRECT M# ON THE MATERIAL | Y N | 162AC3655 |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Y N | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Y N | |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW | | | | |
|--|-----|-----|-------|-------|
| TYPE OF MATERIAL | HRC | HRB | DJR A | DJR D |
| SIZE OF TEST SAMPLE | | | | |
| HARDNESS / DUROMETER READING | | | | |

testers located in the Quality Office

| | | | |
|-------------------------|----------------------|--|--|
| QC 18 INSPECTION | | ENGINEERING SIGNOFF (if required) | |
| INSPECTED BY: <u>48</u> | SIGNED OFF BY: _____ | | |
| DATE: <u>17/03/16</u> | DATE: _____ | | |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

| | | | | | |
|--|---|---|--|------------------------|--|
| Job: _____ Part No. _____ | DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> | DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Cross tube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> </div> <div> Eng. (Non-AW) <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Water Jet <input type="checkbox"/> Supplier <input type="checkbox"/> Quality <input type="checkbox"/> </div> </div> | | | |
| Date : | Sequence #: | QTY Affected : | | MRB (QSI042) | |
| Description Work Order Deviation | | Disposition | | Completed By | |
| | | | | Lead hand / Supervisor | |
| | | | | | |
| | | | | QC / QA Coordinator | |
| Root Cause <div style="display: flex;"> <div style="flex: 1;"> Operator <input type="checkbox"/> Manufacturing Process <input type="checkbox"/> Equip/Tooling <input type="checkbox"/> Handling/Preservation <input type="checkbox"/> Material <input type="checkbox"/> Product Improvement <input type="checkbox"/> Process Improvement <input type="checkbox"/> Human Factors <input type="checkbox"/> </div> <div style="flex: 1;"> <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Bending <input type="checkbox"/> Crushing <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Mislabeled </div> </div> | | FAULT CATEGORY <div style="display: flex;"> <div style="flex: 1;"> <input type="checkbox"/> Contamination <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Incomplete/Unclear Instructions <input type="checkbox"/> Drill Holes <input type="checkbox"/> Fit/Function </div> <div style="flex: 1;"> <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain Direction <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Off-set/Set-up </div> <div style="flex: 1;"> <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Outside Tolerance <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Misread </div> </div> | | | |
| Other/Details: | | | | | |